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Attorney Docket No. 03454/LH

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Applicant(s): T. MARUYAMA et al  
Serial No. : 10/664,659  
Filed : September 17, 2003  
For : SEMICONDUCTOR LIGHT  
EMITTING DEVICE HAVING  
QUANTUM WELL LAYER  
SANDWICHED BETWEEN CARRIER  
CONFINEMENT LAYERS  
Art Unit : 2818  
Examiner : Thinh T. Nguyen

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R :

Submitted herewith are copies of the documents identified on the attached form PTO/SB/08B. It is respectfully requested that the Examiner return an initialed copy of the attached form PTO/SB/08B to confirm that the documents listed therein have all been considered and made of record.

The documents submitted herewith are identified at page 14, lines 9-10 and 17-18 and page 15 at lines 3-4 of the present specification.

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In the event that this Paper is late filed, and the necessary petition for extension of time is not filed concurrently herewith, please consider this as a Petition for the requisite extension of time, and to the extent not tendered by credit card payment, authorization to charge the extension fee, or any other fee required in connection with this Paper to Account No. 06-1378.

A form 2038 is enclosed to cover the USPTO fee of \$180.00 as set forth under 37 CFR 1.17(p) for filing an IDS at this stage of prosecution (after issuance of a first Office Action). If any further fees are required, authorization is given to charge same against Account No. 06-1378.

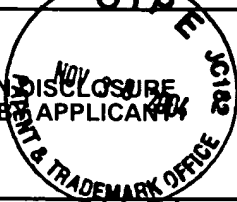
Respectfully submitted,



Douglas Holtz  
Reg. No. 33,902

Dated: November 30, 2004

Frishauf, Holtz, Goodman & Chick, P.C.  
767 THIRD AVENUE - 25TH FLOOR  
New York, New York 10017-2023  
Tel. No. (212) 319-4900  
FAX No. (212) 319-5101  
LH/nps

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> 		Application Number	10/664,659		
		Filing Date	September 17, 2003		
		First Named Inventor	T. MARUYAMA		
		Group Art Unit	2818		
		Examiner Name	THINH T. NGUYEN		
Sheet	1	of	1	Attorney Docket Number	03454/LH
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Exam Inits <sup>1</sup>	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>6</sup>
		JONES, K. A., et al., "Accurately determining the composition and thickness of layers in a GaAs/InGaAs superlattice." Appl. Phys. 76 (3), August 1, 1994, Pages 1609-1616.			
		MAIER, M., et al., "Composition analysis of molecular beam epitaxy grown In <sub>y</sub> Ga <sub>1-y</sub> As/GaAs/Al <sub>x</sub> Ga <sub>1-x</sub> As quantum wells by determination of film thickness." J. Appl. Phys. 73 (8), April 15, 1993, 0021-8979/93/083820-07, American Institute of Physics, Pages 3820-3826.			
		PAVESI, L. et al., "Photoluminescence of Al <sub>x</sub> Ga <sub>1-x</sub> As alloys." J. Appl. Phys. 75 (10), 0021-8979/94/75(10)4779/64, May 15, 1994			
Examiner Signature				Date Considered	

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Mark here if English translation is attached.

DATE MAILED: November 30, 2004